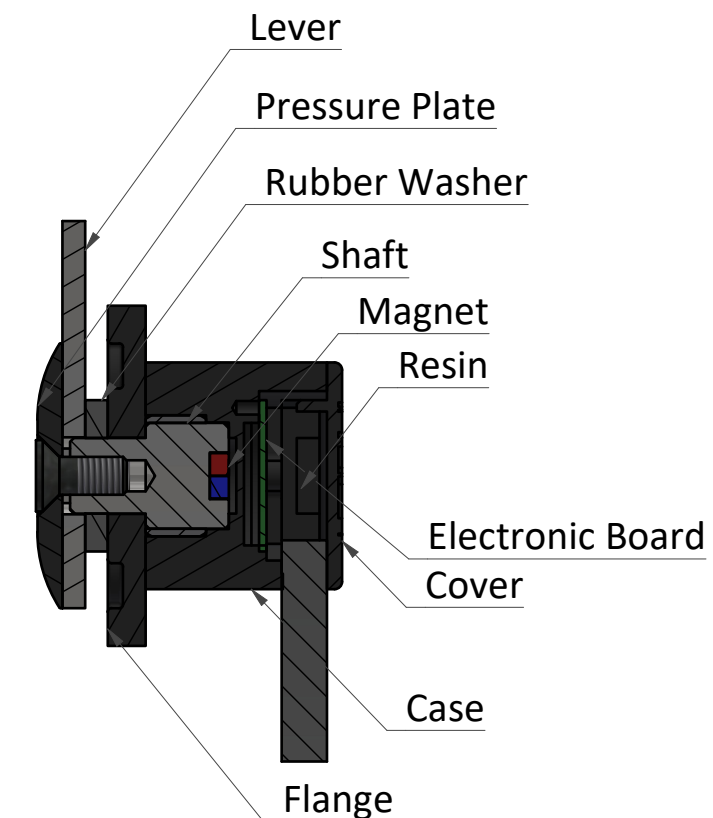
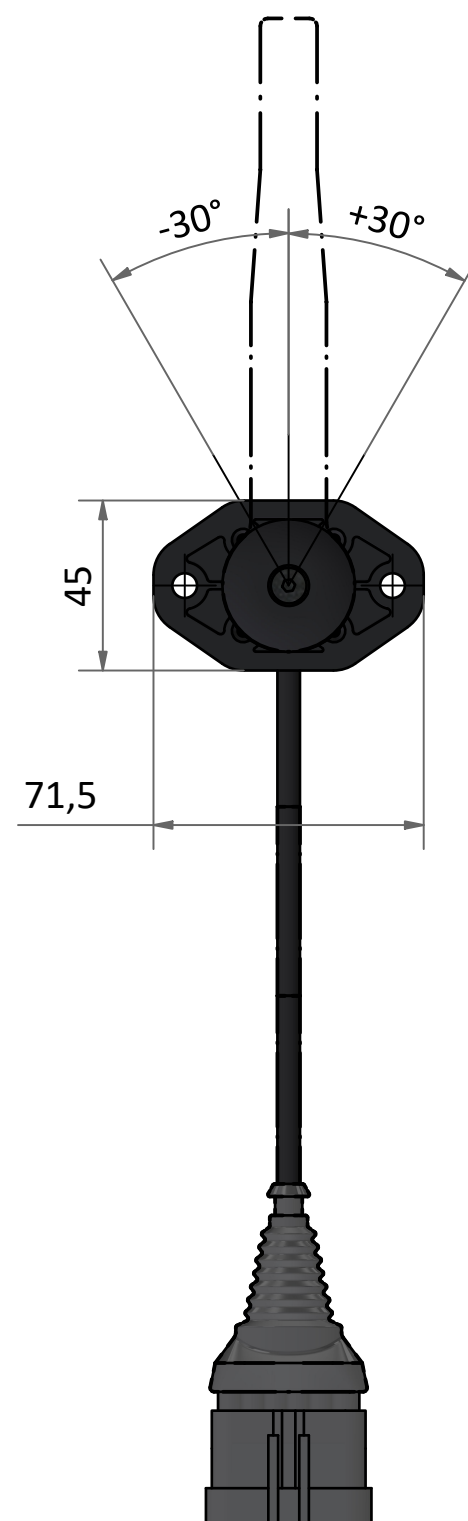
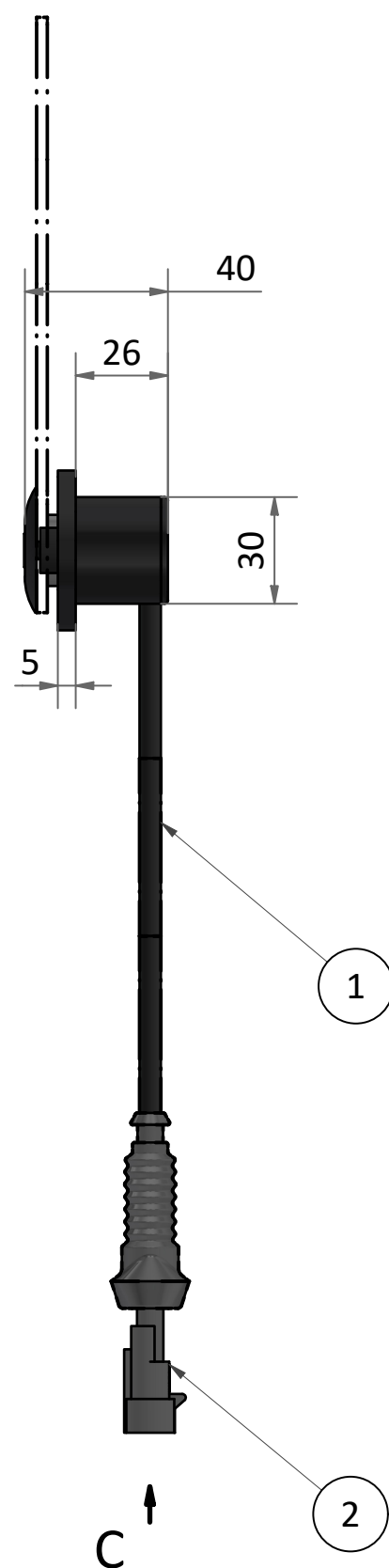
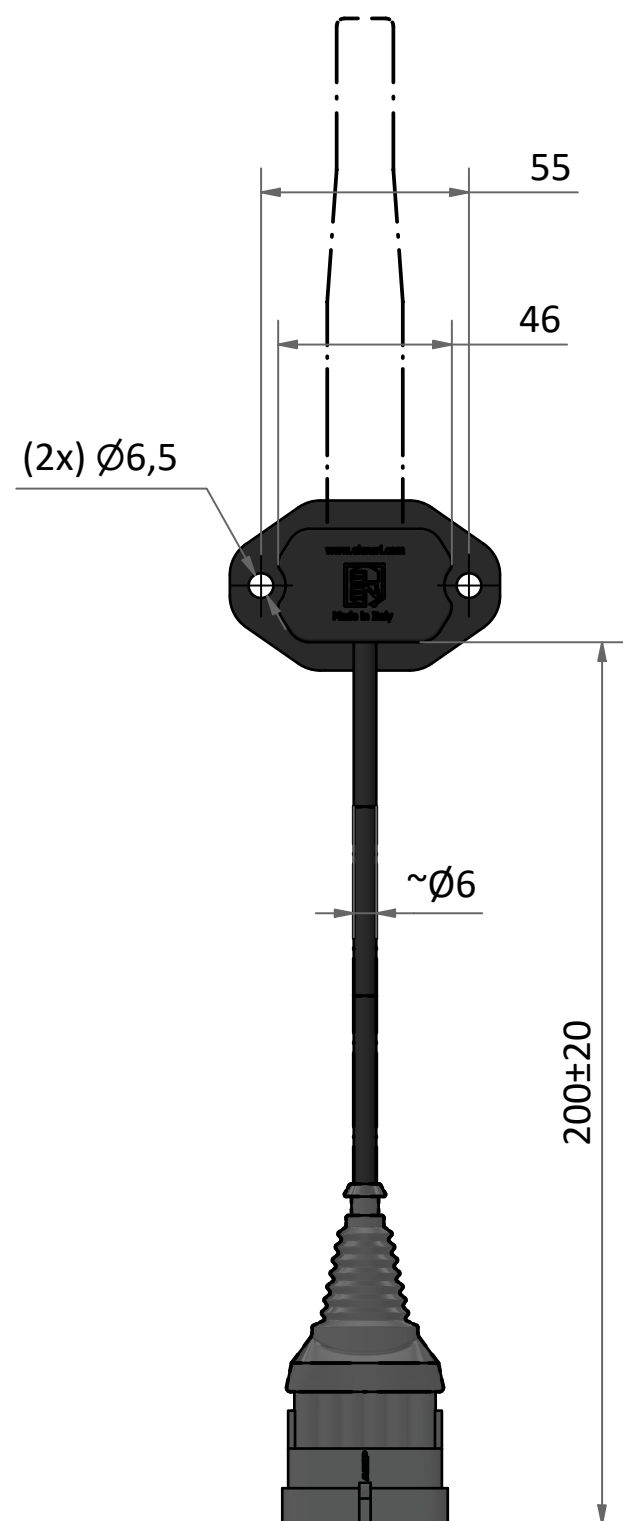




6 - Vcc 2 - Red

5 - Signal 2 - Black

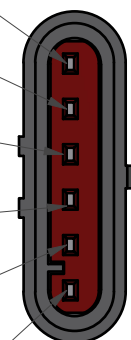
4 - GND 2 - Green

3 - GND 1 - White

2 - Signal 1 - Blue

1 - Vcc1 - Brown

C (1 : 1)



Ref.	Description	Operating temperature
1	Cable HT 105°	-40 / +105
2	Tyco SuperSeal 1.5 Series 6 Pins Connector	-40 / +125



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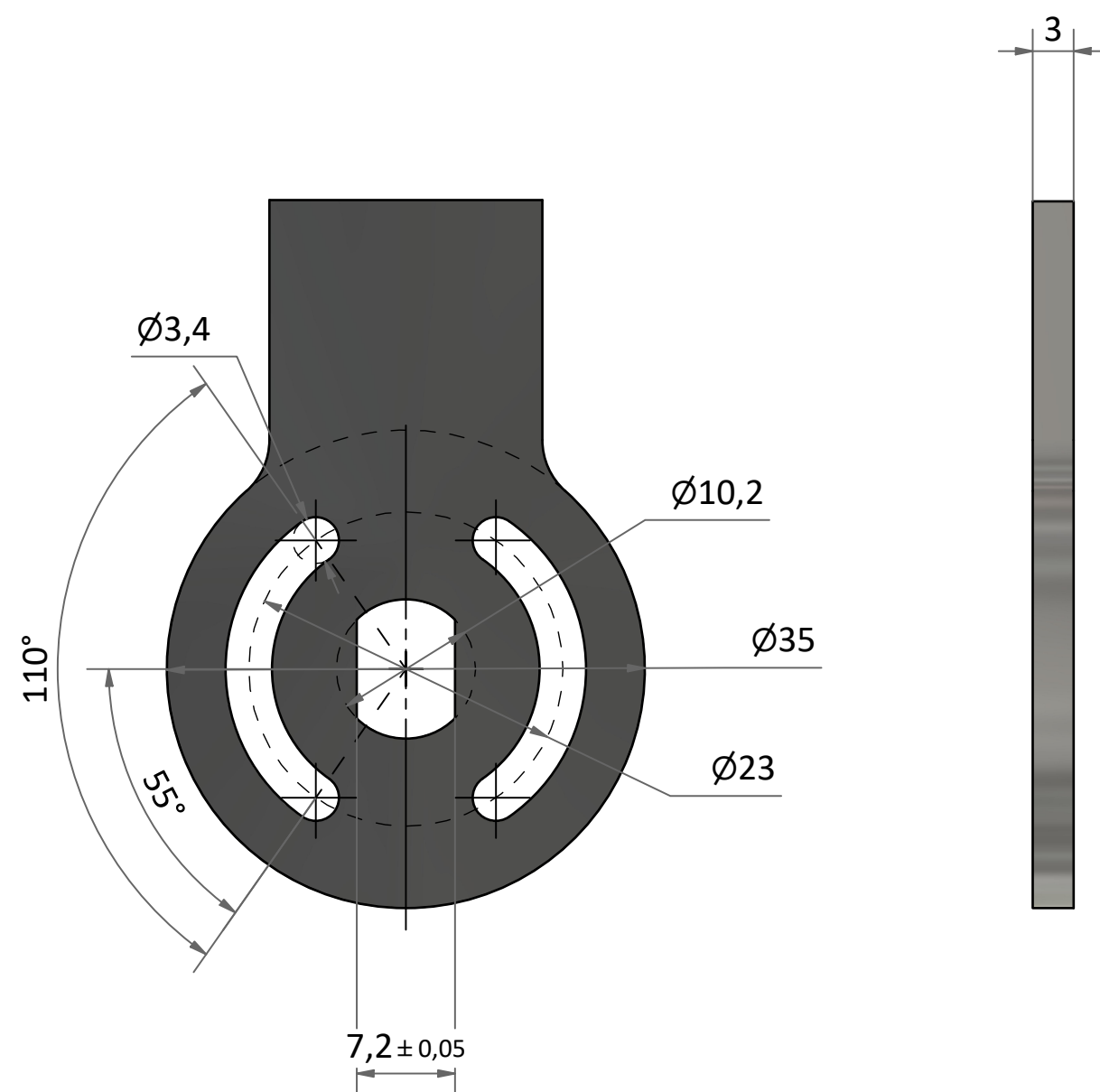
Part Number: AA390002-5

Description: Leva Axios 5V Double Signals

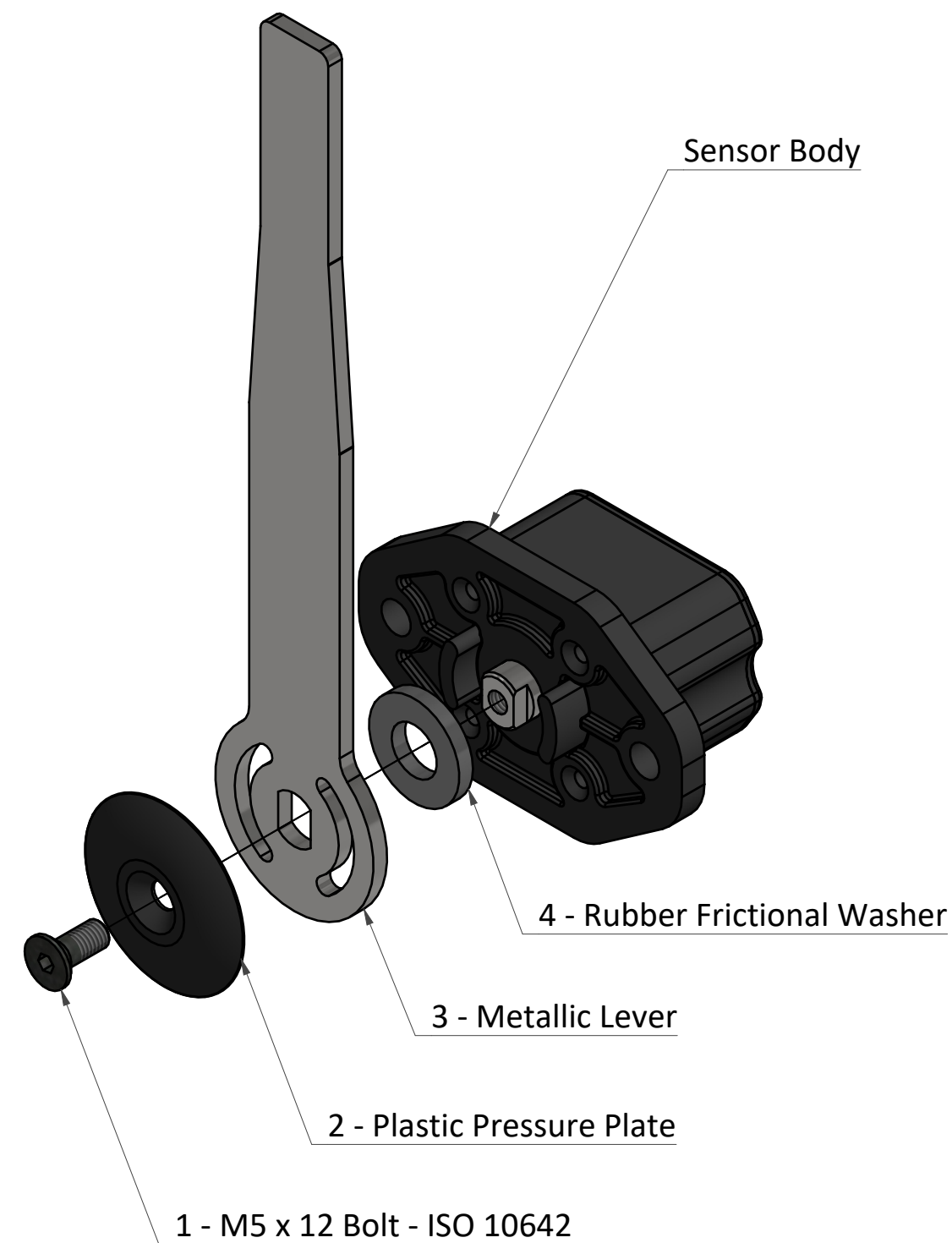
Rev.	Date	Sign.	Review Description

Designed	23/06/2025	Matteo M.	Scale :	1 : 2 (A3 format)
Checked	-	-	Dimensions without tolerance indication: ISO 2768 - m	
Approved	-	-	Units mm	Page 1 / 3

■ Lever - Shaft Coupling Specification



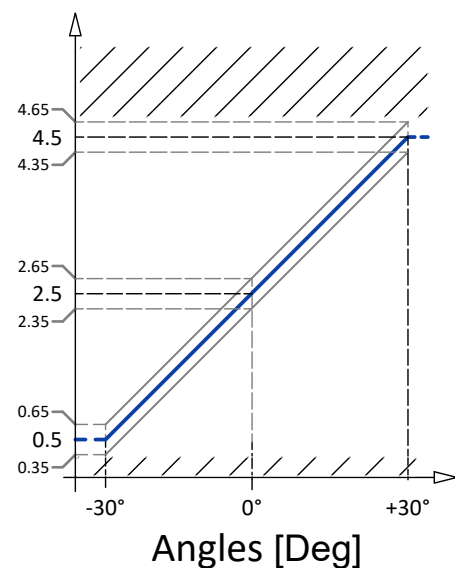
■ Mounting Scheme



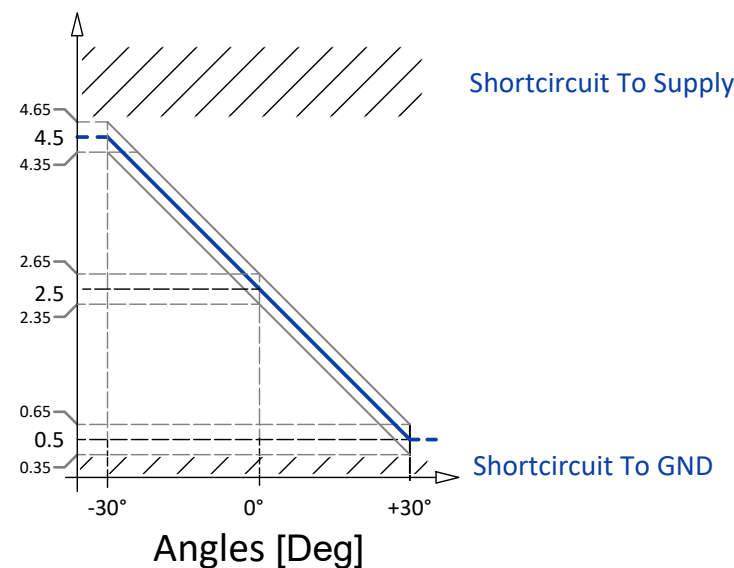
Resistant Force could be adjusted
tightening the M5 bolt

■ Output Signal

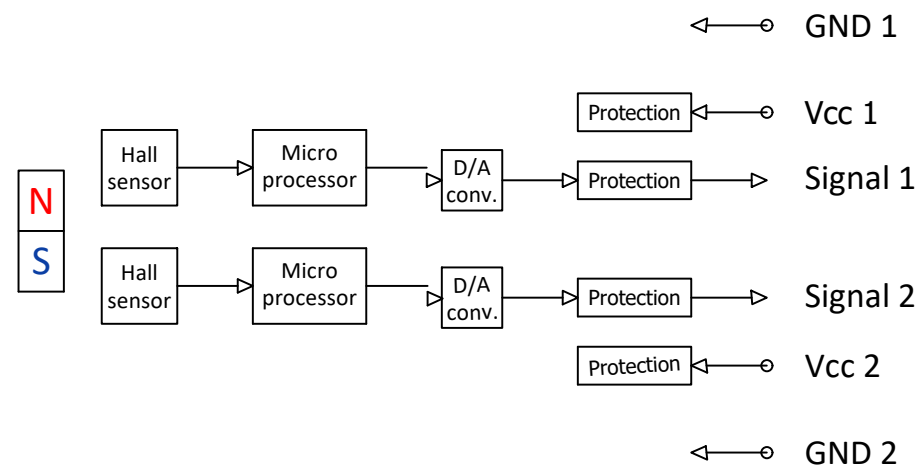
Signal 1 (V) @Vin = 5V



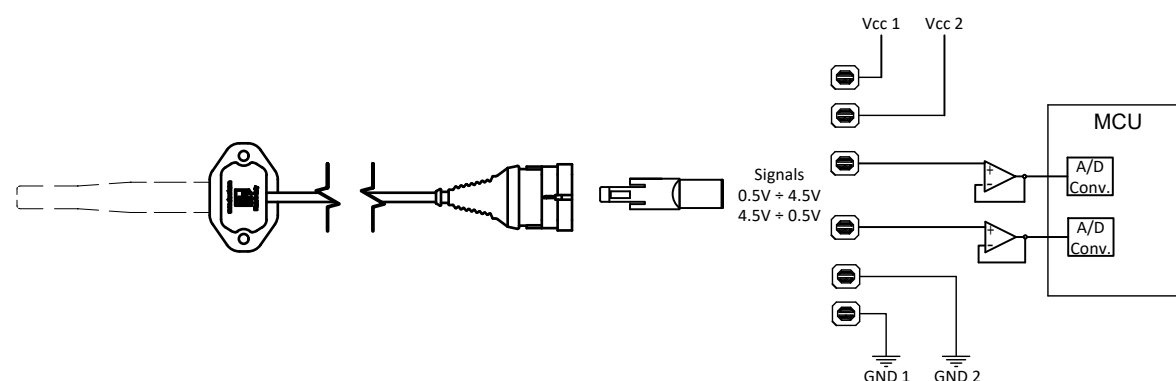
Signal 2 (V) @Vin = 5V



■ Functional Scheme



■ Typical Application



■ Technical Specifications

	Specific	Value	Standard Reference
Electrical	Power Supply (Vcc)	5V Max	PDV Rev. 3 - P. 5.1;
	Output Current	1mA Max	PDV Rev. 3 - P. 5.5;
	Supply Current (no load)	10mA Max per Channel	PDV Rev. 3 - P. 5.2;
	Output Signals	Channel 1: Linear 0,5V@-30° ÷ 4,5V@+30° Channel 2: Linear 4,5V@-30° ÷ 0,5V@+30°	-
	Overload Protection	1.2mA For 1h	PDV Rev. 3 - P. 5.6;
	Overvoltage Protection	6.5V for 1h	PDV Rev. 3 - P. 5.7;
	Temperature Operating Voltage	5.5V@80°C	PDV Rev. 3 - P. 5.8;
	Reverse Polarity Protection	-5.5V For 1h	PDV Rev. 3 - P. 5.3;
	Shortcircuit Protection	To Ground For 5' ; To Supply For 5'	PDV Rev. 3 - P. 5.4;
	Insulation Resistance	1000MΩ@500V	PDV Rev. 3 - P. 5.10;
	Dielectric Rigidity	750V@50Hz For 60s	PDV Rev. 3 - P. 5.11;
	ESD Protection	±8kV Contact; ±15kV Air	EN 61000-4-2;
	Linearity	<±1%	-
	Resolution	12 bit	-
Environmental	Operating Temperature (for Electronic Components)	-30°C ÷ +80°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Storage Temperature (for the Assembly)	-40°C ÷ +105°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Degree Of Protection	IP67	IEC 60529;
	Vibrations Resistance - Random	f=10Hz@PSD=1.44g ² /Hz; f=100Hz@PSD=3.85 g ² /Hz; f=1000Hz@PSD=3.85g ² /Hz; f=2000Hz@PSD=0.96g ² /Hz; 3 Axes - 24h for Axis	IEC 60068-2-64; ENS 0310 Rev J;
	Vibrations Resistance - Sine	(5÷12.87)Hz@displacement=±15mm, (12.87÷200)Hz@dis±15mm@5g, 1Octave/min, 20 Sweep Cycles	IEC 60068-2-6;ISO 15998;
	EMC Compatibility - Magnetic Field Immunity	15Hz ÷ 150 kHz	ISO11452-8:2007;
Mech.	EMC Compatibility - BCI	BCI Class "A" - 100mA; (1÷400)MHz	ISO11452-4;
	Body Material	Nylon 6.6 GF	-
	Tightening Torque	7 Nm	-